



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

February 15, 2000

VIA CERTIFIED MAIL

7002 0510 0002 7964 5604

Mr. Sammy Sirhan
Superior Environmental Remediation⁹⁰, Inc.
2101 Lincolnway East
Mishawaka, Indiana 46544

Dear Mr. Sirhan:

Re: NPDES General Permit No. ING080279
Superior Environmental 2401 East 181st Avenue
2401 East 181st Avenue
Lowell, Indiana
Lake County

Our office has received your Notice of Intent (NOI) submittal in regards to the above-referenced facility. We are pleased to inform you that the submittal is sufficient to comply with the NOI requirements in 327 IAC 15-10, Wastewater Discharge Associated with Groundwater Petroleum Remediation Systems. The general permit rule requirements are contained in 327 IAC 15-1 through 15-4 and 15-10. These rules are enclosed for your review. Please review them carefully to ensure your facility is in compliance with all applicable regulations.

At this time, a NPDES general permit identification number is being assigned to each facility that has submitted a NOI letter to comply with 327 IAC 15-10. Due to the fact that 327 IAC 15-10 is a permit by rule, you will NOT be receiving an actual permit. The general permit number will be used as an identification number and should be included on all correspondence submitted to IDEM in relation to this NPDES general permit.

The NPDES general permit number which has been assigned to this facility is:

ING080279

General permit rule 327 IAC 15-10 requires periodic reporting of several effluent parameters. Reporting is to be done using the enclosed state discharge monitoring report form. We have included enough forms to establish a supply several months of reporting. You should duplicate this form as needed for further reporting. This form is also available on the internet at the following web site:

<http://www.in.gov/idem/5104.htm>

Mr. Sammy Sirhan

Page 2

Additionally, you will soon be receiving a supply of the computer generated preprinted federal NPDES DMR forms. Both the state and federal forms need to be completed and submitted on a routine basis. If you do not receive the preprinted DMR forms in a timely manner, please call this office at 317/232-8670.

Coverage for the facility under 327 IAC 15-10, which will include all outfalls listed on Attachment 1 to this correspondence, shall become effective on March 1, 2010, unless a person aggrieved or adversely affected by the acceptance appeals this decision. Coverage under this general permit rule expires on February 28, 2015. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as required by the Indiana Department of Environmental Management no later than ninety (90) days prior to the date of expiration.

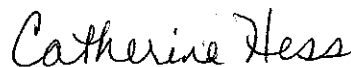
Please note that any person who is adversely affected or aggrieved by this acceptance for coverage under the cited NPDES general permit rule may, within eighteen (18) days from the mailing date of this notification, appeal this acceptance by filing a written petition for administrative review with the Office of Environmental Adjudication, in accordance with IC 4-21.5-3-7. This petition constitutes a request for an adjudicatory hearing. The procedure for appeal is outlined in more detail on the attached page.

The Office of Environmental Adjudication will provide parties who request review of this acceptance for coverage with notice of prehearing conferences, preliminary hearings, hearing, and stays or orders disposing of all proceedings. Nonparties may receive such notices without intervening and formally becoming parties in the proceeding by requesting copies of such notices from the Office of Environmental Adjudication.

Please note that in accordance with 327 IAC 15-10-5(c), IDEM shall public notice its decision to accept your facility for coverage under the general permit rule.

If you have any questions regarding this letter, please contact Ms Sheri L. Jordan of our staff at 317/232-8703.

Sincerely,



Catherine Hess, Chief
Permits Administration Section
Office of Water Quality

Slj/

Enclosures

cc: Lake County Health Department

ATTACHMENT 1

Superior Environmental 2401 East 181st Avenue

NPDES PERMIT NO. ING080279

EFFECTIVE DATE: March 1, 2010

OUTFALLS PERMITTED FOR THIS FACILITY

OUTFALL	DNR BASIN	LATITUDE	LONGITUDE	MINE DRAINAGE STATUS	RECEIVING WATER
001	N/A	41°, 17', 19.62"	87°, 18', 23.52"	N/A	Unnamed tributary to Bryant Ditch

STATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

PUBLIC NOTICE NO. 2010 – 2D -GP

DATE OF NOTICE: February 15, 2010

The Office of Water Quality issues the following **NPDES GENERAL PERMIT**.

NEW

SUPERIOR ENVIRONMENTAL REMEDIATION 90, INC., Permit No. ING080279, LAKE COUNTY, Lowell, IN. This is a Groundwater Petroleum Remediation System that will discharge to an unnamed tributary to Bryant Ditch. The Notice of Intent (NOI) letter submitted complies with the requirements in 327 IAC 15-10, Wastewater Discharge Associated with Groundwater Petroleum Remediation System. Permit Writer: Sheri Jordan at 317/232-8703.

PROCEDURES TO APPEAL

General Permit documents are available for inspection at IDEM, Office of Water Quality/Permit Section, IGCN, 100 N Senate Ave, Indianapolis, IN, Room 1203, from 9 - 4, Monday-Friday (copies 10¢ per page). The General Permit is also available at the local Health Department. Please tell others you think would be interested in this matter.

Appeal Procedure: Any person affected by the issuance of the Final Permit may appeal by filing a Petition for Administrative Review with the Office of Environmental Adjudication within eighteen (18) days of the date of this Public Notice. Any appeal request must be filed in accordance with IC 4-21.5-3-7 and must include facts demonstrating that the party requesting appeal is the applicant; a person aggrieved or adversely affected or is otherwise entitled to review by law.

Timely filing: The Petition for Administrative Review must be received by the Office of Environmental Adjudication (OEA) within 18 days of the date of this Public Notice; either by U.S. Mail postmark or by private carrier with dated receipt. This Petition for Administrative Review represents a request for an Adjudicatory Hearing, therefore must:

- state the name and address of the person making the request;
- identify the interest of the person making the request;
- identify any persons represented by the person making the request;
- state specifically the reasons for the request;
- state specifically the issues proposed for consideration at the hearing;
- identify the Final Permit Rule terms and conditions which, in the judgment of the person making the request, would be appropriate to satisfy the requirements of the law governing this NPDES Permit rule.

If the person filing the Petition for Administrative Review desires any part of the NPDES Final Permit Rule to be stayed pending the outcome of the appeal, a Petition for Stay must be included in the appeal request, identifying those parts to be stayed. Both Petitions shall be mailed or delivered to the address here:
Phone: 317/232-8591.

Environmental Law Judge
Office of Environmental Adjudication
IGC – North Building- Rm 501
100 N. Senate Avenue
Indianapolis IN 46204

Stay Time frame: If the Petition (s) is filed within eighteen (18) days of the mailing of this Public Notice, the effective date of any part of the permit, within the scope of the Petition for Stay is suspended for fifteen (15) days. The Permit will become effective again upon expiration of the fifteen (15) days, unless or until an Environmental Law Judge stays the permit action in whole or in part.

Hearing Notification: Pursuant to Indiana Code, when a written request is submitted, the OEA will provide the petitioner or any person wanting notification, with the Notice of pre-hearing conferences, preliminary hearings, hearing stays or orders disposing of the Petition for Administrative Review. Petition for Administrative Review must be filed in compliance with the procedures and time frames outlined above. Procedural or scheduling questions should be directed to the OEA at the phone listed above.



NPDES General Permit Notice of Intent Submittal Application

State Form 49401 (5-99)

Approved by State Board of Accounts, 1999

Indiana Department of Environmental Management

Office of Water Management, Permits Section

IDEM
OFFICE OF
WATER QUALITY

I. Application Fee: \$50

1. Total Amount Submitted \$ 50.00	2. Check Number 7580
---------------------------------------	-------------------------

2010 JAN 21 P 12:00

II. Type of Permit

1. Permit Type New Permit <input checked="" type="checkbox"/> Permit Renewal <input type="checkbox"/>	2. If a renewal, have you submitted your Annual Permit Fees Yes <input type="checkbox"/> Date Submitted _____ No <input type="checkbox"/>
3. If a renewal, Current NPDES Permit Number	

ING 080279

III. Facility Information

1. Facility Name Superior Environmental Remediation90, Inc.	3. Facility Mailing Address 2101 Lincolnway East, Mishawaka, IN 46544
3. Facility Location (if different than mailing address) 2401 East 181st Avenue, Lowell, IN 46341	4. Contact and Telephone Number R. Scott Liggett, 574.256.1490

IV. Type of Notice of Intent Enclosed (Check Box)

- ☐ (327 IAC 15-7) Facilities Engaged in Mining of Coal, Coal Processing and Reclamation Activities
- ☐ (327 IAC 15-8) Noncontact Cooling Water
- ☐ (327 IAC 15-9) Petroleum Product Terminals
- ☒ (327 IAC 15-10) Groundwater Petroleum Remediation System
- ☐ (327 IAC 15-11) Hydrostatic Testing of Commercial Pipelines
- ☐ (327 IAC 15-12) Sand, Gravel, Dimension Stone or Crushed Stone Operations

THIS COMPLETED SUBMITTAL APPLICATION, ALONG WITH ALL REQUIRED FEES, PROOF OF PUBLIC NOTICE PUBLICATION, AND NOTICE OF INTENT LETTER SHOULD BE MAILED TO:

Indiana Department of Environmental Management
Office of Water Management
Permits Section
100 N. Senate Ave.
P.O. Box 6015
Indianapolis, Indiana 46206-6015

Account No. & Revenue Code: 2830-411200-100600

IDEM - AR
PAID

IDEM - OEA
RECEIVABLES
2010 JAN 21 P 3:44

Notice of Intent
NPDES Permit Request
Groundwater Remediation System

Site Location:

**Superior Environmental Remediation⁹⁰, Inc.
2401 East 181st Avenue,
Lake County, Eagle Creek Township
Lowell, IN 46341**

The Superior Environmental Remediation⁹⁰, Inc., remediation facility is the site of a former leaking underground storage tank located at the above mentioned address, as depicted in the Site Location Map, Figure 1. This site has petroleum contaminated groundwater and subsurface soil. The site is currently under an approved LUST Corrective Action Plan (CAP) with on-site remediation as described below. The site has been issued the following IDEM identifiers:

LUST Facility ID Number: 10515
Incident Number: 2006-11508

SIC Codes:

	<u>Remediation System</u>
Owner/Operator	Superior Environmental Remediation ⁹⁰ , Inc.
Descriptive	Environmental Consulting Services
SIC	8999
NAICS	541620

Remediation System Owner/Operator:

Sammy Sirhan, CHMM, REM
Superior Environmental Remediation⁹⁰, Inc.
2101 Lincolnway East
Mishawaka, IN 46544
1.574.256.1490

Longitude/Latitude:

W87° 18' 19.4" and N41° 17' 19.0"

Receiving Stream:

Treated groundwater would be discharged into an existing un-named ditch, located adjacent to the treatment facility. This un-named ditch lies on the west border of the property site, and connects to Bryant Ditch, thereupon to Singleton Ditch, and thereupon to the Kankakee River. This ditch network ultimately lies tributary to the river, and is designated a United States Navigable Water, being interconnected with the Kankakee watershed and drainage system.

Proposed Remediation:

Superior Environmental Remediation⁹⁰, Inc. prepared a Corrective Action Plan (CAP), dated July 10, 2009, to remediate the above site. This CAP was approved by IDEM LUST. A copy of the Corrective Action Plan is available on request.

The approved plan requires the installation of a two-point, dual groundwater and soil vapor extraction well system, in conjunction with a seven point soil vapor extraction well system, to recover both contaminated subsurface soil vapors and groundwater, as indicated in Figure 3. The recovered groundwater would be metered and stored in a 500-gal. surge tank, and subsequently be routed through two, 3,000-lb. liquid phase activated carbon tanks in series (Figure 5) for contaminant treatment and removal. The resultant treated groundwater would be stored in a 350-gal. holding tank prior to discharge.

Soil vapors would be remediated by mechanical extraction from the recovery wells. A skidded blower unit would be employed at a 550-cfm flow rate under 120-in. H₂O pressure (Figure 5). Extracted air effluents would be treated in a 3,000-lb. vapor phase activated carbon tank, prior to discharge to the atmosphere. Condensation and accumulated moisture from the vapor lines would be routed to and treated with the contaminated groundwater.

Proposed Discharge Point:

Treated groundwater would then be discharged into the adjacent un-named ditch through a metered outfall, designated as OF-001. The ditch lies immediately west of the treatment facility as depicted in Figures 1 and 2. The effluent discharge would be directed through a 2-in. PVC conduit from the remediation facility to the ditch at the following discharge location.

W87° 18' 19.4" and N41° 17' 19.0"

Estimated Discharge Rates:

The CAP requires two recovery wells operating at a maximum recovery rate of 20-gpm each. The estimated discharge rate for the site is approximately 57,600-gpd. The volume of groundwater requiring treatment was estimated at 16,000,000-gal.

Effluent Sampling:

All recovered groundwater would be metered. Discharge samples would be obtained by grab sample from an inside sampling port installed in the effluent line. Effluents would be monitored

monthly for pH, temperature, and total flow. In addition, pursuant to 327 IAC 15-10-1, the total benzene concentration would be monitored.

Parameter	Monthly Average	Weekly Average	Units	Monitoring Requirements	
				Frequency	Sample Type
Flow	Report	Report	MGD	1/month	24-hr total
Benzene	Report	5.0	mg/L	1/month	Grab

Special Requirements for NPDES Permit Compliance:

All wastewater facility operations would be under the direct supervision of an appropriately certified wastewater operator (Class D, Industrial).

All reasonable steps would be taken to minimize or correct any adverse impact on the environment resulting from any noncompliance episode.

Notice would be provided within 24-hours of becoming aware of an unanticipated bypass that exceeds the discharge limit, a violation of maximum daily discharge limitation for any pollutant, and/or any noncompliance causing significant danger to human health or the environment. A written report would be submitted within 5-days of the any such incident.

Proof of Publication:

The required proof of publication is provided, as attached.

Identification of Potentially Affected Parties:

Form 49456 is provided, as attached.

Signatory:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NOI Prepared by:



Sammy Sirhan, CHMM, REM
Environmental Services Director
Superior Environmental Remediation⁹⁰, Inc.

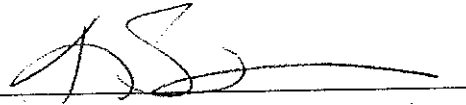
PUBLISHER'S AFFIDAVIT

State of Indiana)
) ss:
Lake County)

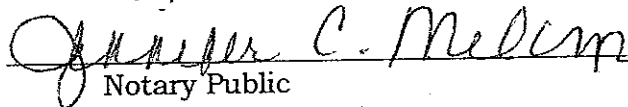
Personally appeared before me, a notary public in and for said county and state, the undersigned Kate Stephens who, being duly sworn, says that She is Legal Clerk of the Northwest Indiana Times newspaper of general circulation printed and published in the English language in the Town of Munster in state and county afore-said, and that the printed matter attached hereto is a true copy, which was duly published in said paper for 1 time(s), the date(s) of publication being as follows:

December 29, 2009

The undersigned further states that the Northwest Indiana Times newspaper maintains an Internet website, which is located at <http://www.nwi.com> website and that a copy of the above referenced printed matter was posted on such website on the date(s) of publication set forth above.

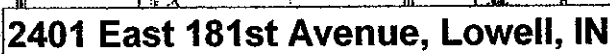


Subscribed and sworn to before me this 29th day of December, 2009

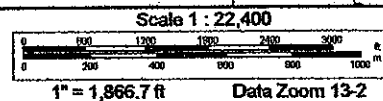

Notary Public

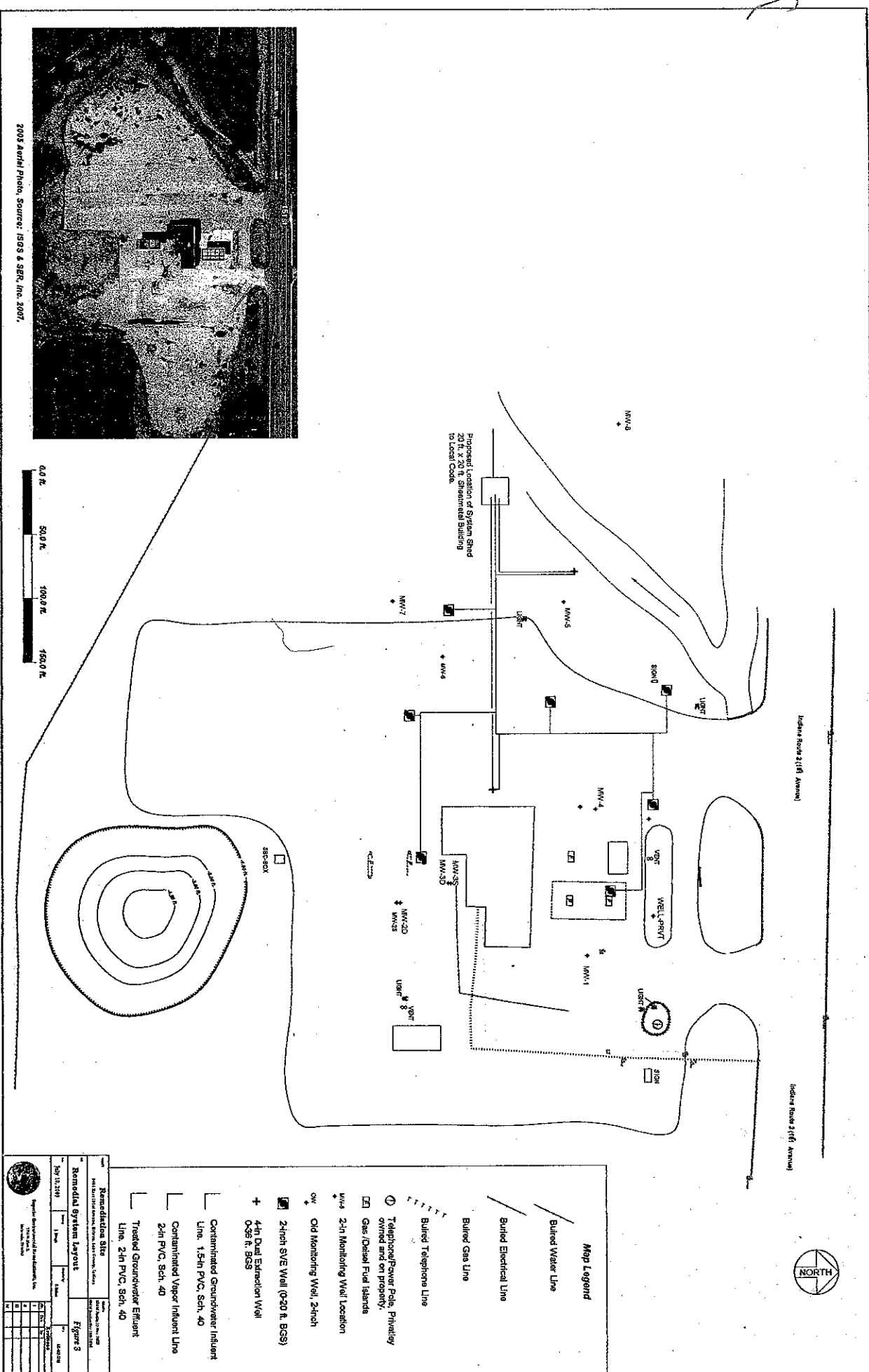
My commission expires:

June 13, 2015

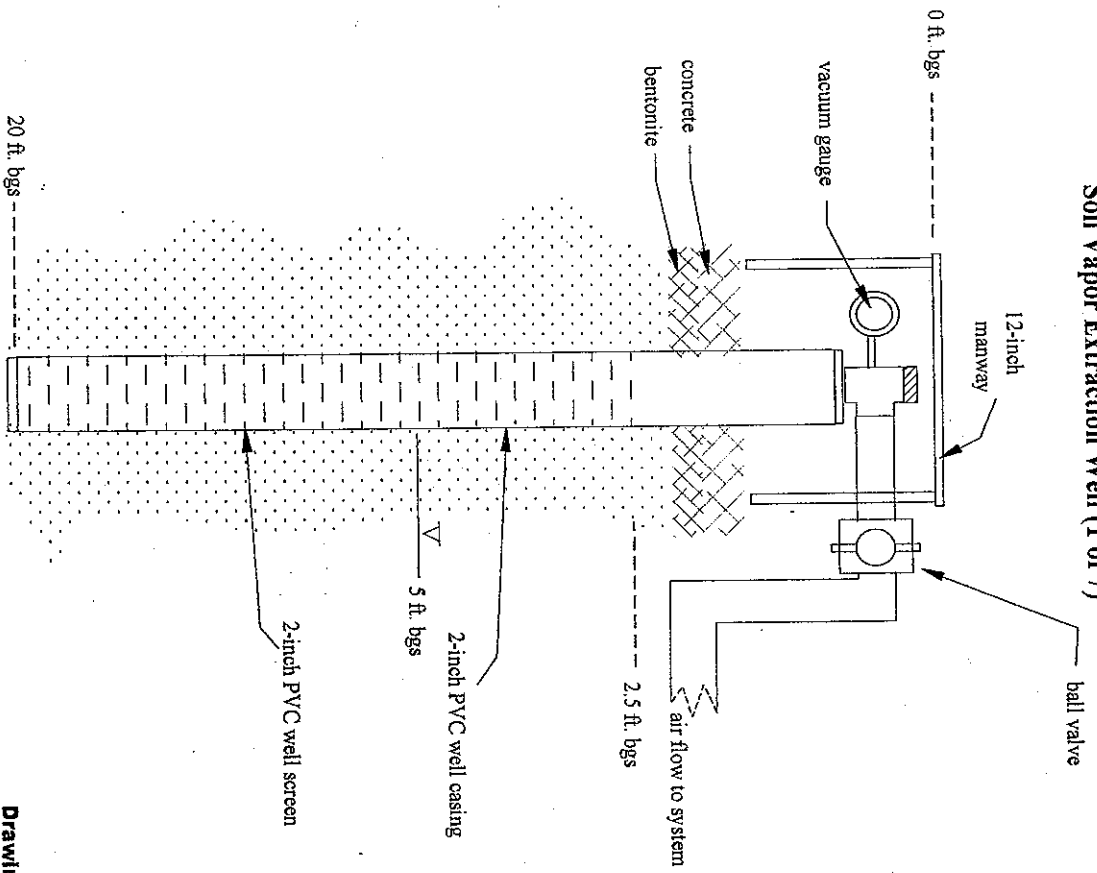


www.delorme.com

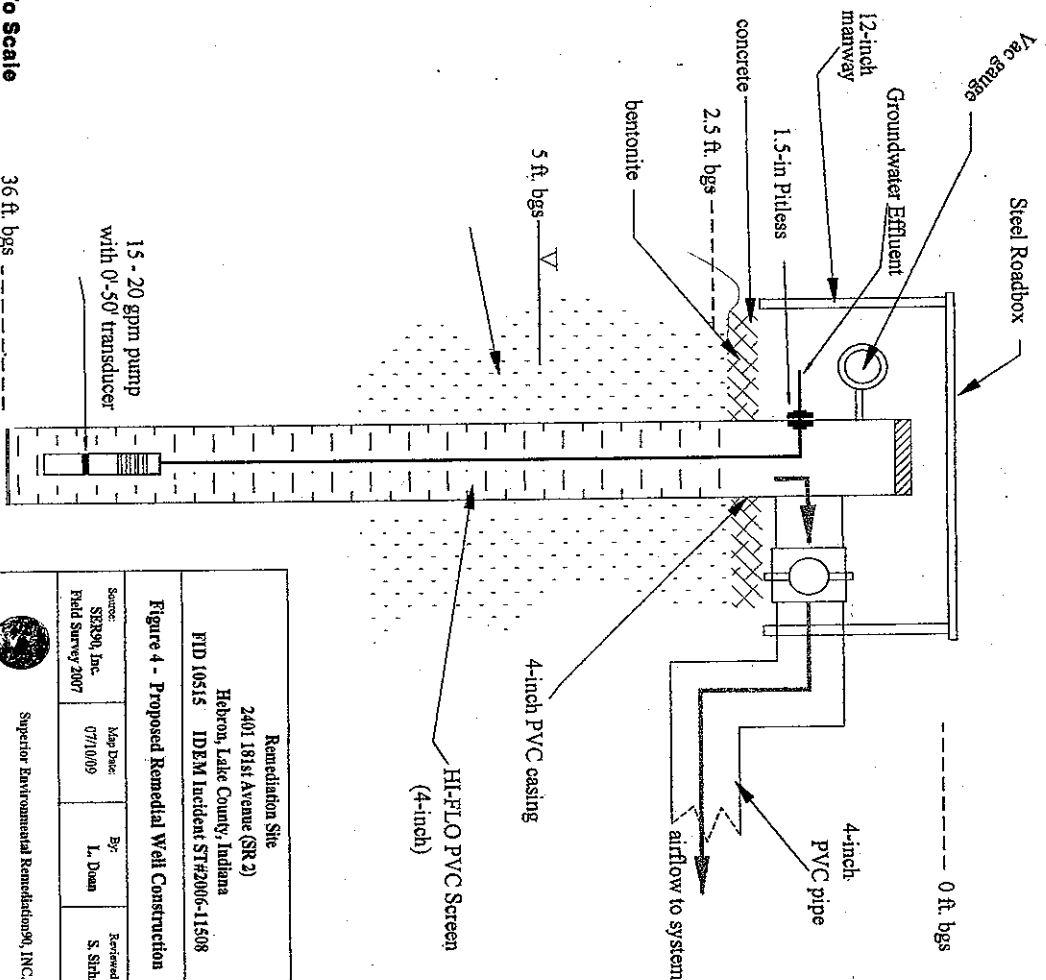




Soil Vapor Extraction Well (1 of 7)

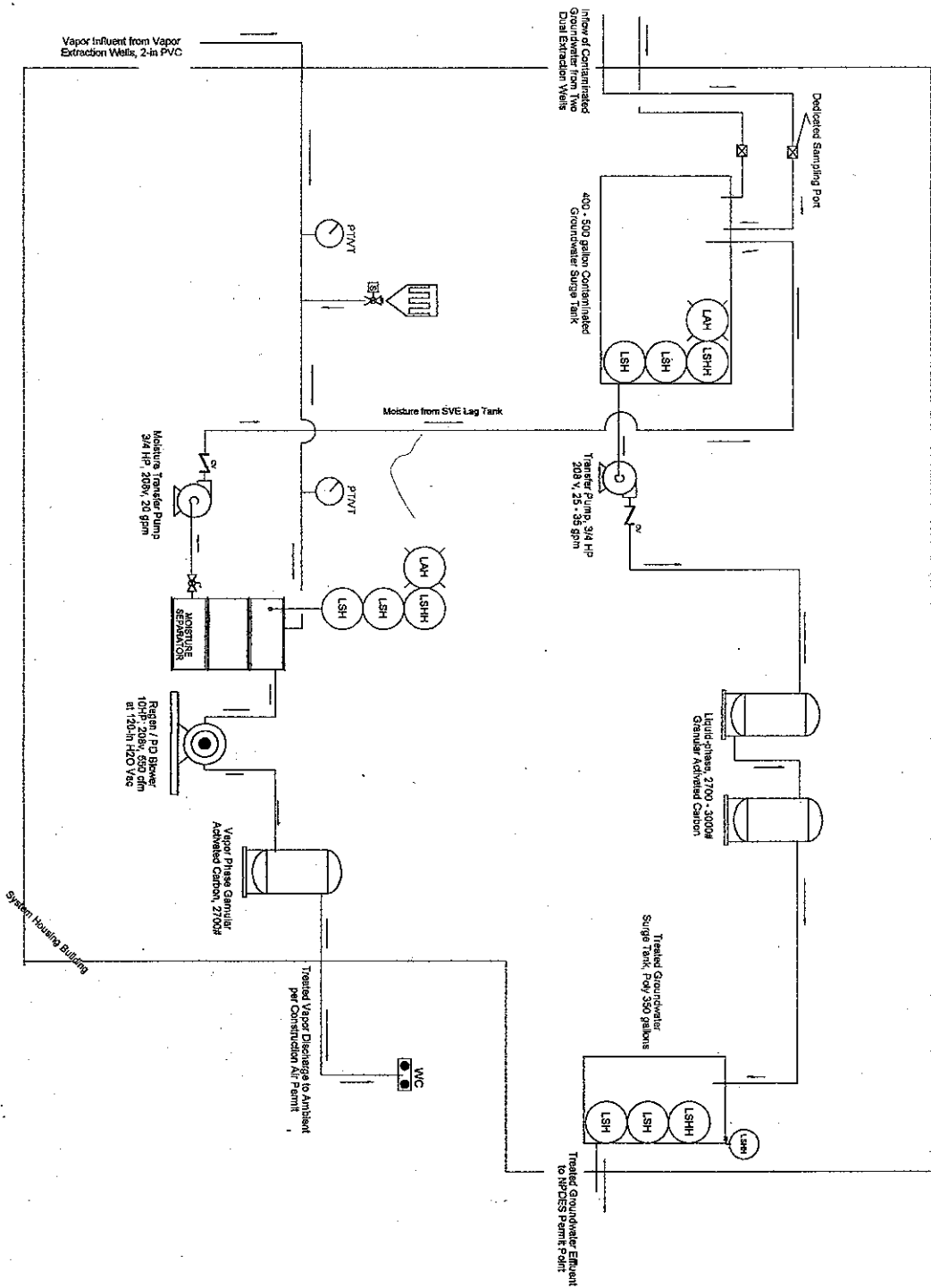


Dual Extraction Well (1 of 2)



Drawing Not To Scale

<p>Remediation Site 2401 181st Avenue (SR 2) Hebron, Lake County, Indiana FID 10515 IDEM Incident: ST#2006-11508</p>			
<p>Figure 4 - Proposed Remedial Well Construction</p>			
Source: SER390, Inc. Field Survey 2007	Map Date: 07/10/09	By: L. Dean	Reviewed By: S. Strzhan
<p>Superior Environmental Remediation, INC.</p>			



LEGEND AND DRAWING NOTES

- LSHH High-High Level Alarm, System Shutdown.
- LAH High Level Alarm at 85% Capacity.
- LSH Low Level Alarm to prevent Dry runs at 10% Capacity.
- WC Weather Protection Cap
- PF Particulate Filter Compatible with the Flow
- DX Ductless Volute Ball or Gate PVC or Brass depending on field conditions
- CV Check Valve to prevent Backflow
- PT / VT Pressure / Vacuum Transducer

Remediation Site		Date: 10/11/2000	
Proposed Remedial System: Borehole		Figure 5	
Job No. 1000	Scale: 1"=10'	Sheet: 1 of 1	Revision: 1
Prepared by: [Signature]		Checked by: [Signature]	
Reviewed by: [Signature]		Approved by: [Signature]	